

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Claims:

1. (original) A method for scheduling and delivery of a product to a buyer along the buyer's commuting route, comprising: receiving route information from a buyer; selecting from a plurality of pickup points a pickup point based on the route information; and dispatching a mobile pickup station to the pickup point, the mobile pickup station containing a product ordered by the buyer.
2. (original) The method of claim 1, wherein selecting a pickup point further comprises: receiving a channel width from the buyer; calculating a channel area using the channel width and the route information; determining a set of pickup points from the plurality of pickup points based on the channel area; selecting from the set of pickup points a pickup point.
3. (original) The method of claim 1, wherein the plurality of pickup points is determined using an approximate buyer route concentration based on route usage.
4. (original) The method of claim 1, further comprising: receiving a plurality of routes from a plurality of buyers; and determining the plurality of pickup points based on the plurality of routes.
5. (original) The method of claim 1, further comprising: receiving a specification of a

PATENT

Appl. No. 09/733,873

Amdt. dated March 21, 2005

Reply to Office action of 11/22/2004

03-12861

2 plurality of preferred products; receiving an occurrence rate for each of the plurality of preferred products; and ordering the product for the buyer using the occurrence rates.

6. (original) The method of claim 1, further comprising reminding the buyer via
2 email that a product delivery is scheduled at the pickup point.

7. (original) The method of claim 1, further comprising reminding the buyer
2 telephonically that a product delivery is scheduled at the pickup point.

8. (original) The method of claim 1, wherein: the mobile pickup station includes a
2 plurality of lockers for containing products, each of the plurality of lockers having a
 unique access code; and giving the buyer an access code for a locker containing the
4 buyer's product, the locker selected from the plurality of lockers.

Claims 9 and 10 (cancelled)

11. (original) A method for scheduling and delivery of a product to a buyer by a seller
2 using a third party seller affiliate, comprising: receiving an order for a product from a
 buyer; receiving route information from a buyer; selecting from a plurality of pickup
4 points a pickup point based on the route information; selecting a third party seller
 affiliate from a plurality of third party sellers based on the location of the pickup point;
6 and dispatching by the third party seller affiliate a mobile pickup station to the pickup

PATENT

Appl. No. 09/733,873

Amdt. dated March 21, 2005

Reply to Office action of 11/22/2004

03-12861

point, the mobile pickup station containing the products ordered by the buyer.

Claims 12 – 29 (cancelled)

30. (original) A method for scheduling and delivery of a product to a buyer along the

2 buyer's commuting route, comprising: receiving route information from a buyer;

4 receiving a channel width from the buyer; calculating a channel area using the channel

width and the route information; determining a set of pickup points from a plurality of

5 pickup points based on the channel area; selecting from the set of pickup points a

6 pickup point; and dispatching a mobile pickup station to the pickup point, the mobile

pickup station containing a product ordered by the buyer.

31. (original) The method of claim 30, wherein the plurality of pickup points is

2 determined using an approximate buyer route concentration based on route usage.

32. (original) The method of claim 30, further comprising: receiving a plurality of

2 routes from a plurality of buyers; and determining the plurality of pickup points based

on the plurality of routes.

33. (original) A data processing system adapted to schedule and deliver a product to a

2 buyer along the buyer's commuting route, comprising: a processor; and a memory

operably coupled to the processor and having program instructions stored therein, the

4 processor being operable to execute the program instructions, the program instructions
including: receiving route information from a buyer; selecting from a plurality of
6 pickup points a pickup point based on the route information; and dispatching a mobile
pickup station to the pickup point, the mobile pickup station containing a product
8 ordered by the buyer.

34. (original) The data processing system of claim 33, wherein the program
instructions for selecting a pickup point further include: receiving a channel width from
the buyer; calculating a channel area using the channel width and the route information;
determining a set of pickup points from the plurality of pickup points based on the
channel area; selecting from the set of pickup points a pickup point.

35. (original) The data processing system of claim 33, the program instructions further
including determining the plurality of pickup points using an approximate buyer route
concentration based on route usage.

36. (original) The data processing system of claim 33, the program instructions further
including: receiving a plurality of routes from a plurality of buyers; and determining
the plurality of pickup points based on the plurality of routes.

37. (original) The data processing system of claim 33, the program instructions further
including: receiving a specification of a plurality of preferred products; receiving an

occurrence rate for each of the plurality of preferred products; and ordering the product
for the buyer using the occurrence rates.

4 38. (original) The data processing system of claim 33, the program instructions further

2 including reminding the buyer via email that a product delivery is scheduled at the
pickup point.

39. (original) The data processing system of claim 33, the program instructions further

2 including reminding the buyer telephonically that a product delivery is scheduled at the
pickup point.

Claims 40 and 41 (cancelled)

42. (original) A data processing system adapted to schedule and deliver a product to a

2 buyer by a seller using a third party seller affiliate, comprising: a processor; and a
memory operably coupled to the processor and having program instructions stored

4 therein, the processor being operable to execute the program instructions, the program
instructions including: receiving an order for a product from a buyer; receiving route

6 information from a buyer; selecting from a plurality of pickup points a pickup point
based on the route information; selecting a third party seller affiliate from a plurality of

8 third party sellers based on the location of the pickup point; and dispatching by the third
party seller affiliate a mobile pickup station to the pickup point, the mobile pickup

10 station containing the products ordered by the buyer.

Claims 43 – 61 (cancelled)

62. (previously presented) The method of claim 1, wherein the route information

2 includes a first reference point and a channel width.

63. (previously presented) The method of claim 62, the route information further

2 including a second reference point.

64. (previously presented) The method of claim 62, wherein the first reference point

2 is an address.

65. (previously presented) The method of claim 62, wherein the first reference point

2 includes a Zip Code.

66. (previously presented) The method of claim 62, wherein the first reference point

2 includes a phone number.

67. (previously presented) The data processing system of claim 33, wherein the route

2 information includes a first reference point and a channel width

68. (previously presented) The data processing system of claim 67, wherein the first
2 reference point includes a Zip Code

69. (previously presented) The data processing system of claim 67, wherein the first
2 reference point is an address

70. (previously presented) The data processing system of claim 67, wherein the first
2 reference point is a phone number

71. (new) The method of claim 1, further comprising:
2 receiving a date from the buyer by the server; and delivering the product
by the server according to the date.

72 (new) The method for scheduling and delivery of a product to a buyer along the
2 buyer's commuting route as set forth in claim 1, further comprising:
the buyer accessing a server via a communications network; and
4 receiving route information from the buyer by the server via the
communications network.

73. (new) The method for scheduling and delivery of a product to a buyer by a seller using
2 a third party seller affiliate as set forth in claim 11, further comprising:
the buyer accessing the seller via a communications network;

4 receiving an order for a product from a buyer by the seller via the
communications network; and

6 receiving route information from a buyer by the seller via the
communications network.

74. (new) The data processing system adapted to schedule and deliver a product to a buyer
2 along the buyer's commuting route as set forth in claim 30 , further comprising:

4 the buyer accessing a server via a communications network;
receiving route information from the buyer by the server via the
communications network; and

6 receiving a channel width from the buyer by the server via the
communications network.

75. (new) The data processing system of claim 33, the program instructions further
including:

receiving a date from the buyer by the server; and delivering the product
by the server according to the date.